**Richard Huang**

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***Education***

**Carnegie Mellon University** Pittsburgh, PABachelor of Science in Information Systems Sep. 2014 – May 2018

Minors in Computer Science and Business Administration

* GPA: 3.80

***Skills***

* **Technologies –** Spring/Boot, Ruby on Rails, AWS, Django, Jersey/Guice, React, Angular, Selenium, Pytest, Mocha/Jasmine
* **Languages –** Java, Python, SQL (MySQL, PostgreSQL), Terraform, JavaScript/Typescript, Ruby, HTML, CSS, C

***Relevant Experience***

**Two Sigma Investments**  New York, NY

Software Engineer Aug. 2018 – Present

* Built and took ownership of Data Portal, the main platform that Two Sigma uses to discover new and interesting dataset leads. Led discussions on critical architectural decisions for file upload, dataset review, and scalability features for the product.
* Designed and implemented a SFTP data pipeline that validates and processes trading data for our platform that collects algorithmic trades from our more technical contributors.
* Architected and developed a near greenfield product that allows us to collect trade ideas and data from a newly identified crowd of financial analysts. Led efforts in the ideation phase for large components including user management and database design.
* Rewrote and improved a legacy grading system for PICS, a platform that systematically collects trade ideas from sell-side brokers. Focused strongly on code readability/maintainability as well as testing to guarantee calculation correctness.

**Carnegie Mellon University** Pittsburgh, PA

Head Teaching Assistant Jan. 2016 – May 2018

* Developed curriculum for two core Information System courses as well as two new elective courses with topics ranging from technical (frontend/backend, Git, API, design patterns) to non-technical (case study analysis and organization science).
* Assisted professors in teaching the courses, led recitations, trained TA's, organized grading sessions, and ran office hours.

**Two Sigma Investments**  New York, NY

Software Engineering/Product Management Intern May 2016 – Aug. 2017

* Designed framework/platform for developers to more easily build HipChat Integrations and Bots and standardize them. (2017)
* Developed an end to end interview scheduling tool that tackled automation, interview distribution, and feedback issues. (2016)

**University of Pittsburgh Medical Center (UPMC)** Pittsburgh, PA

Data Governance Consultant Nov. 2015 – Jan. 2017

* Designed a database model for the medical data within UPMC and developed a webapp to help govern and manage it.
* Built data analytics and visualization dashboards using D3 to find pain points and do impact analysis.

**Kyruus** Boston, MA

Software Engineering Intern May 2015 – Aug. 2015

* Developed calendar scheduling feature with Ruby on Rails and Backbone for the main patient-doctor booking system.
* Created a complete testing suite (unit and functional tests) using Selenium, Pytest, RSpec, Jasmine.

**SongDrop.me** Pittsburgh, PA

Chief Technology Officer Feb. 2015 – Jan. 2016

* Co-founded a startup in the Project Olympus incubator that promotes lesser known song artists and their work.

***Honors***

**Cloud-First Course (Two Sigma) –** Selected to design a public cloud (AWS) training course for new hires . Jul. 2019

**BitCamp Hackathon 2016** – Best Use of Capital One’s API and Best UI Design (Goldman Sachs). Apr. 2016

**Capital One Summit Winner** – Won Capital One’s Engineering Summit coding challenge. Jan. 2016

***Involvements***

**ImpacTS (Two Sigma) – Employee Engagement Leader**  Jan. 2019 – Present

* Organized volunteering opportunities for employees and built relationships with non-profits across NYC.

**ENACTUS – Citizen’s Empowerment Leader** Sep. 2015 – Sep. 2016

* Organized and taught technical courses at Veterans Leadership Program, a local non-profit for veterans.

**Milk Line, President**  Sep. 2014 – Sep. 2016

* Co-founded a business club that conveniently delivers healthy breakfasts to students around campus.

**Delta Tau Delta, Treasurer**  Oct. 2014 – Jan. 2016

* Managed funds for the fraternity and created a budget for all the departments and the fraternity chef.